

Zishu LIU

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🎓 Education

Tsinghua University

Department of Engineering Physics

Beijing, China

Aug 2016 – June 2020

- Bachelor of **Engineering Physics**; GPA:3.72/4 (Top 25%)
- Minor in **Computer Application**; GPA: 3.68/4

Imperial College London

Department of Physics

London, UK

Oct 2020 – Sept 2021

- Master with **Distinction** in **Security and Resilience: Science and Technology**;

Georgia Institute of Technology

School of Civil and Environmental Engineering

GA, US

Sept 2021 – Present

- PhD Student of **Computational Science and Engineering (CEE Unit)**;

🔬 Research Experience

Construction and Similarity Calculation of Emergency

Student Research Training | Research Assistant

Beijing, China

May 2017 – Sept 2018

Advisor: Yi Liu, Associate Professor, Department of Engineering Physics, Tsinghua University

Smart Community Platform

Student Research Training | Research Assistant

Beijing, China

Oct 2018 – Jan 2020

Advisor: Yi Liu, Associate Professor, Department of Engineering Physics, Tsinghua University

Heterogeneous Spatiotemporal Data Fusion Methods for Community Safety

Diploma Project

Beijing, China

Feb 2020 – June 2020

Advisor: Yi Liu, Associate Professor, Department of Engineering Physics, Tsinghua University

Use UAV to Detect Artisanal Small Scale Gold Mining from Aquatic Environment

Diploma Project

London, UK

June 2021 – Sept 2021

Advisor: William G Proud, Reader, Department of Physics, Imperial College London

⚙️ Skills

- C/C++, Fortran, Java, JavaScript, Python, Go, Wolfram, SQL, L^AT_EX, Julia
- Pytorch, OpenCV, OpenGL, CesiumJS, Flask
- Docker, Mathematica
- Adobe Photoshop/Illustrator/Premiere

👛 Working Experience

One Map for Emergency Management

Beijing Global Safety Technology Co., Ltd | Intern

Beijing, China

July 2019 – Aug 2019

Smart Community Platform

IPSR of Tsinghua University | Research Assistant

Beijing, China

June 2020 – Sept 2020

🏆 Honors and Awards

School-Provided Scholarship (Study Scholarship)

Oct 2017

Friend of Tsinghua – Li Canjie Scholarship (Study Scholarship)

Oct 2018

School-Provided Scholarship (Study Scholarship)

Oct 2019